

Category: GPCR-novel

ID: gi6863021_GS_nt7

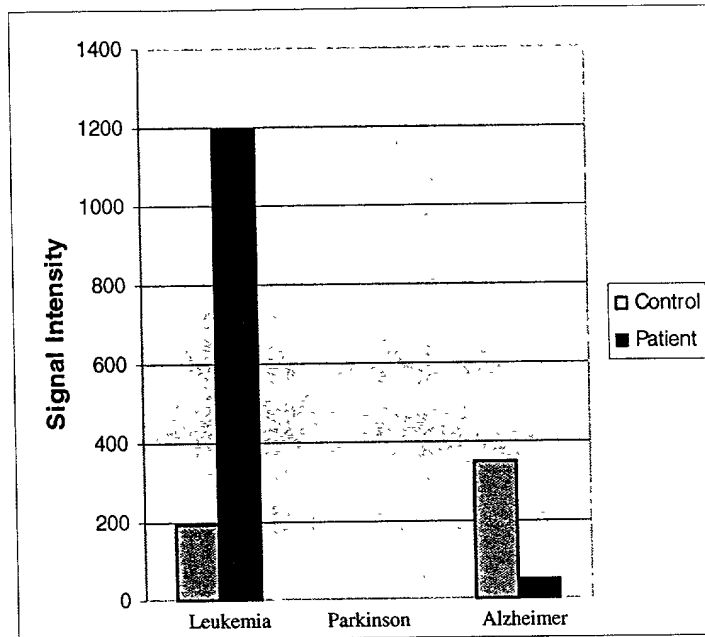


Figure 1A

Sequence:

>gi6863021_GS_nt7' AP001112

atgctcaatctcaccgatgtgacagagttcattcttttggggctaacgagccgtcgagaatggcaagtt
 ctcttcttcatcatcttcttgtggtctacatcatcaccatgggtgggcaatatcgccatgatgggtgta
 atcaaggtcagtcctcagcttaacaaccccatgtacttttctcagtcacttgtcatttgttgatgtg
 tggttttcttccaatgtcaccctaaaatgttggaaaacctgttttcagataaaaaaacaattacttat
 gctggttggttagtacagtgttcttcttctcattgtctcttgccatgtggaaatttttattcttgctg
 atggcctttagatagatacatggcaattgggaatcctctgctttatggcagtaaaatgtcaagggttgc
 tgtattogactgattactttcccttacatttatgggttttctgacgagtctggcagcaacattatggact
 tacggcttgacttctgtggaaaaattgagatcaaccatttctactgtgcagatccacctctcatcaa
 atggcctgtgcccgggacctttgtaaaagaatatacaatgatcatacttgccggcattaacttcacatat
 tccctgactgtaattatcatctcttacttattcatcctcattgccattctgcgaatgcgctcagcagaa
 ggaaggcagaaggccttttccacatgtgggtcccatctgacagctgtcattatattctatgggtactctg
 atcttcatgtatctcagacgtccacagaggagtctgtggagcaggggaagatgggtggctgtgttctat
 accacagtgatcccatgttgaatcccatgatctacagtctgaggaacaaggatgtgaaaaaggccatg
 atgaaagtgatcagcagatcatgttaa

Figure 1B

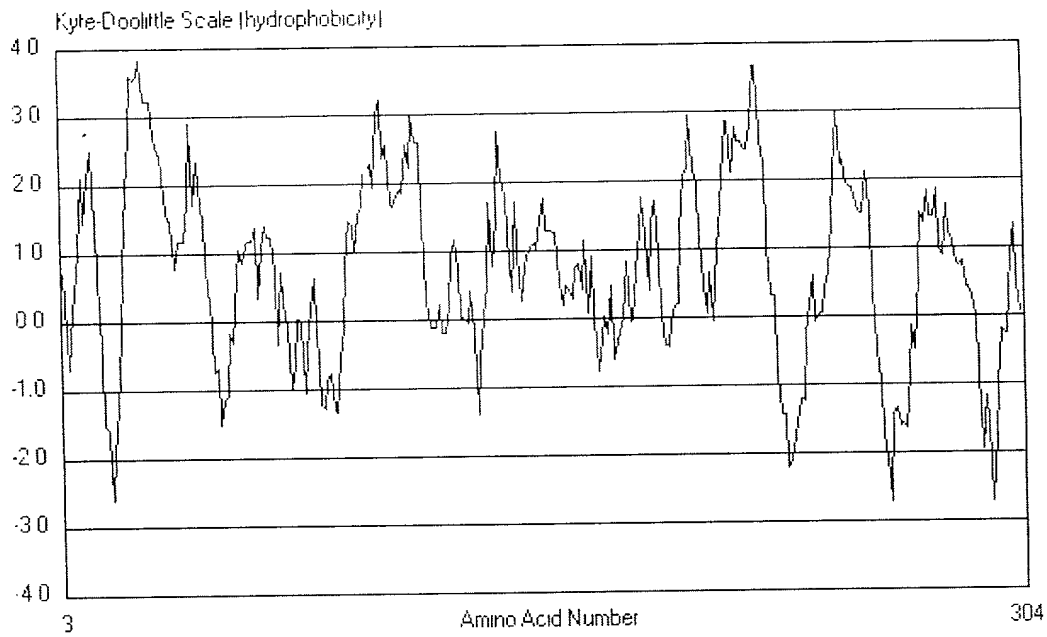


Figure 1D

```
>gi6863021_GS_nt7    AP001112
MLNFTDVTEFILLGLTSRREWQVLFFIIFLVVYIITMVGNI GMMVLIKVS
PQLNNPMYFFLSHLSFVDVWFSSNVTPKMLENLFS DKKTTITYAGCLVQCF
FFIALVHVEIFILAAMAFDRYMAIGNPLLYGSKMSRVVCIRLITFPYIYG
FLTSLAATLWTYGLYFCGKIEINH FYCADPPLIKMACAGTFVKEYTMIIL
AGINFTYSLTVIIISYLFILIAILMRSAEGRQKAFSTCGSHLTAVIIFY
GTLIFMYLRRPTEESVEQGKMVAVFYTTVIPMLNP MIYSLRNKDVKKAMM
KVISRSC*
```

Figure 1C

Category: GPCR-Novel

ID: gi6453999_GS_nt6

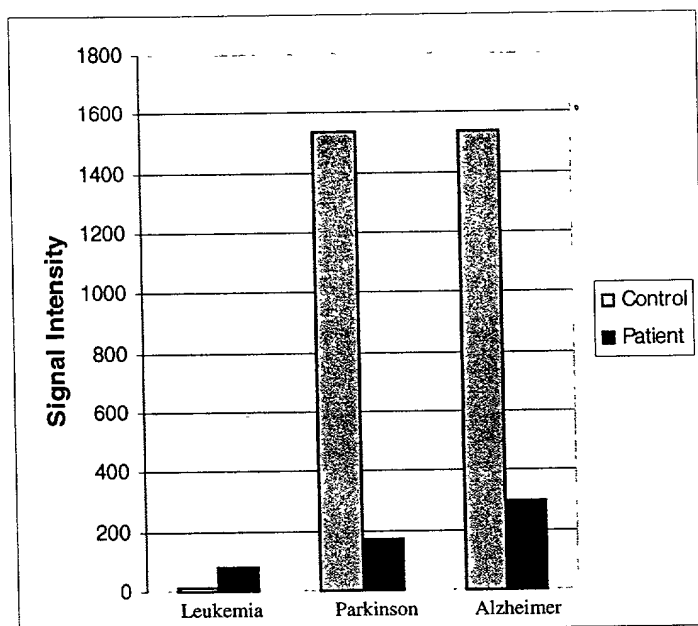


Figure 2A

Sequence:

>gi6453999_GS_nt6 AC011571

atggatcagaaaaatggaagttctttcactggatttactactgggtttctctg
acaggcctcagctggagctagtcctctttgtgggtcttttgatcttctatatctt
cactttgctggggaacaaaaccatcattgtattatctcacttggaccacatctt
cacactcctatgtattttttcttctccaacctaaagcttttggatctgtgttaca
caaccggcattgttccacagctcctgggttaatctcaggggagcagacaaatcaat
ctcctatgggtgtgtgtgttagttcagctgtacatctctctaggttgggatctaca
gaatgcgttctcttaggagtgatgggtatttgaccgctatgcagctgtttgcaggc
ccctccactacacagtagtcatgcacccttgtctgtatgtgctgatggcttctac
ttcatgggtcattgggttttgccaactccctattgcagacgggtgctcatcttgctt
ttaacactttgtggaagaaataaattagaacactttctttgtgaggttcctccat
tgctcaagcttgctgtgttgacactactatgaatgaatctgaactcttctttgt
cagtgctcattattcttctgtacctgttgcattaatcatattctcctatagtcag
attgtcagggcagtcagtaggataaagtttagcaacagggcagagaaaagtgtttg
ggacatgtggctcccacctcacagtggtttccctgttctacggcacagctatcta
tgcttacctccagcccggaacaactactctcaggatcagggcaagttcatctct
ctcttctacaccatcattacaccatgatcaacccctcatatatacactgagga
acaaggatgtgaaaggagcacttaagaaggtgctctggaagaactacgactccag
atga

Figure 2B

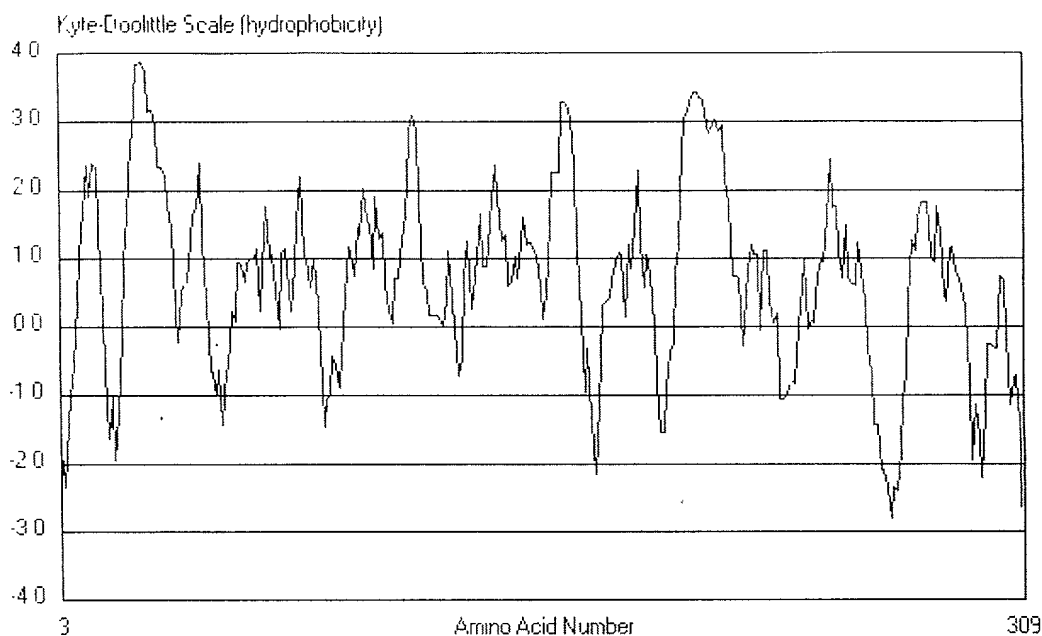


Figure 2D

```

>gi6453999_GS_nt6    AC011571
MDQKNGSSFTGFILLGFSDRPQLELVLFVVLLIFYIFTLLGNKTIIVLSH
LDPHLHTPMYFFFSNLSFLDLCYTTGIVPQLLVNLRGADKSISYGGCVVQ
LYISLGLGSTECVLLGVMVFDRYAAVCRPLHYTVVMHPCLYVLMASWSV
IGFANSLLQTVLILLTLTCGRNKLEHFLCEVPPLLKLACVDTTMNESELF
FVSVIILLVPVALIIFSYSQIVRAVMRIKLATGQRKVFGTCGSHLTVVSL
FYGTAIYAYLQPGNNYSQDQGKFISLFYTTIITPMINPLIYTLRNKDVKGA
LKKVLWKNYDSR*
  
```

Figure 2C

Category: GPCR-novel

ID: gi6671985_GS_nt9.2

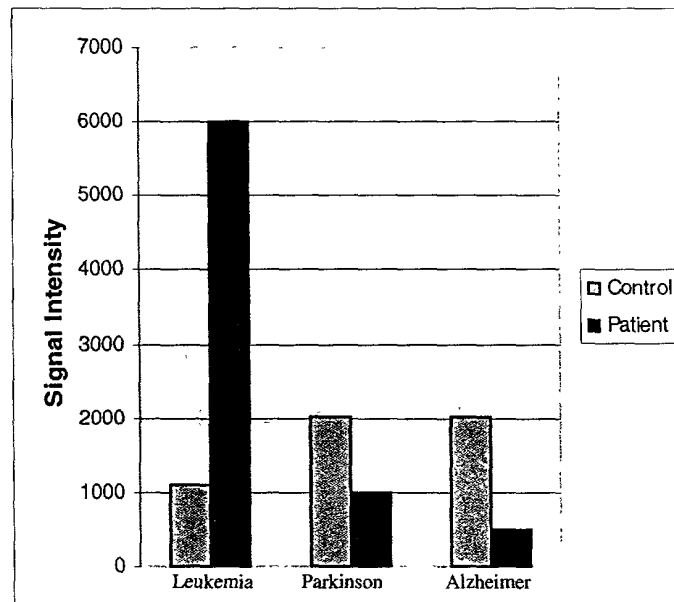


Figure 3A

Sequence:

>gi6671985_GS_nt9.2

```
atggctgcaggaaatcactctacagtgcagaggttcattctcaagggtttaacgaagagagcag
acctccagctccccctctttctcctcttcctcgggatctacttggtcaccatcgtggggaacct
gggcatgatcactctaatgtgtctgaactctcagctgcacaccccatgtactactttctcagc
aatctgtcactcatggatctctgctactcctccgtcattaccctaagatgctggtgaactttg
tgtcagagaaaaacatcatctcctacgcagggtgcatgtcacagctctacttctccttgtttt
tgctattgctgagtgttacatgctgacagtgttgccctacgaccgctatgttgnctctgccac
cctttgctttacaacatcattatgtctcatcacacctgcctgctgctggtggctgtggtctacg
ccatcggaactcattggctccacaatagaaactggcctcatgttaaaactgcctattgtgagca
cctcatcagtcactactttctgtgacatcctccctctcatgaagctgtcctgctctagcacctat
gatgttgagatgacagctcttcttttcggctggattcaacatcatagtcacgagcttaacagttc
ttgtttcttacaccttcattctctccagcatcctcggcacagcaccacagaggggagatccaa
agccttcagcacctgcagctcccaccttgacgcctgggaatgttctatggatcaactgcattc
atgtactttaaaccctccacaatcagttccttgaccaggagaatgtggcctctgtgttctaca
ccacggtaatcccatgttgaaatccctaatactacagcctgaggaacaaggaagtaaaggctgc
cgtgcagaaaacgctgaggggtaaactgttttga
```

Figure 3B

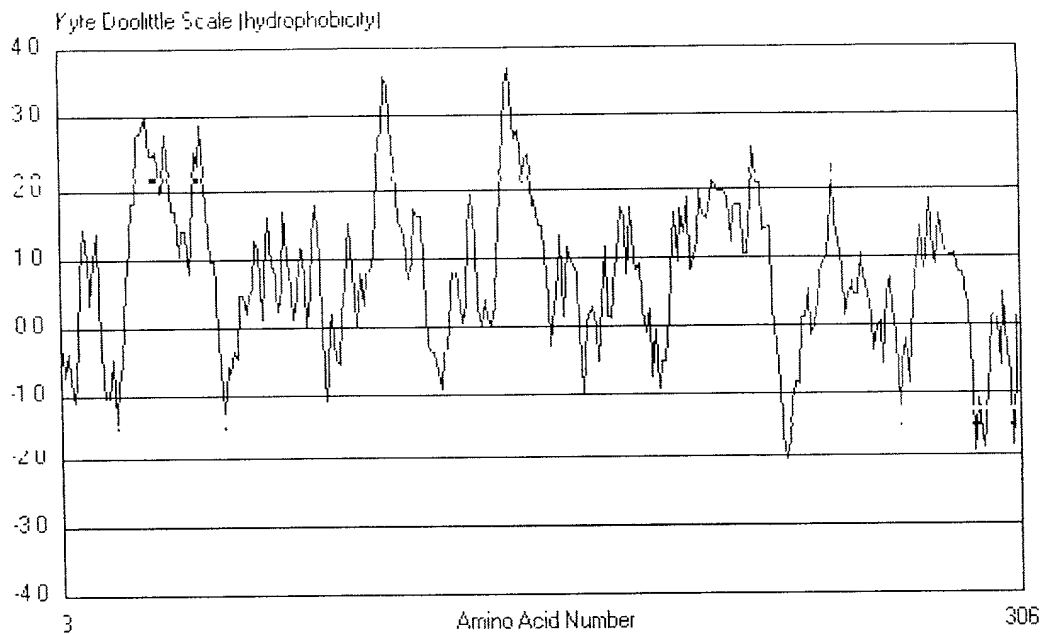


Figure 3D

>gi6671985_GS_nt9.2

MAAGNHSTVTEFILKGLTKRADLQLPLFLLFLGIYLVTVGNLGMITLIC
 LNSQLHTPMYYFLSNLSLMDLCYSSVITPKMLVNFVSEKNIISYAGCMSQ
 LYFFLVFVIAECYMLTVMAYDRYVXXCHPLLYNIIMSHHTCLLLVAVVYA
 IGLIGSTIETGLMLKLPYCEHLISHYFCDILPLMKLSCSSTYDVEMTVFF
 SAGFNIIVTSLTVLVSYTFILSSILGISTTEGRSKAFSTCSSHLAAVGMF
 YGSTAFMYLKPSTISSLTQENVASVFYTTVIPMLNPLIYSLRNKEVKA
 AVQKTLRGKLF*

Figure 3C

Category: GPCR-Novel

ID: gi5791525_GS_nt10

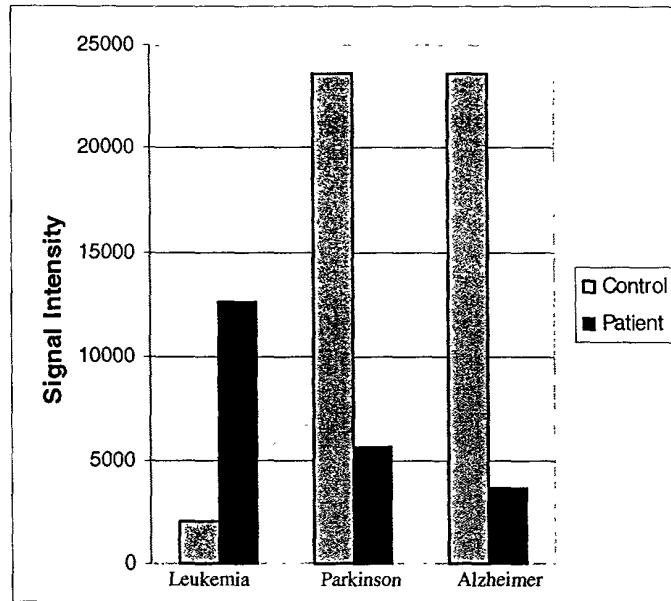


Figure 4A

Sequence:

>gi5791525_GS_nt10

HSJ154J13

```
atggccatggacaatgtcacagcagtggttcagtttctccttattggcatttctaactatcct
caatggagagacacgtttttcacattagtgctgataatttacctcagcacattggtggggaat
ggatttatgatctttcttattcactttgaccccaacctccacactccaatctacttcttcctt
agtaacctgtctttcttagacctttgttatggaacagcttccatgccccaggctttggtgcat
tgtttctctacccatccctacctctcttatccccgatgtttggctcaaacgagtgctctccttg
gctttggccacagcagtgagtgctcctactggctgccatggcctatgaccgtgtggttgctatc
agcaatccccctgctgtattcagtggttatgaatggcccagtatgtgtctgcttggttgctacc
tcattgggggacatcacttggtgctcactgccatgctcatcctatccctgaggcttcacttctgt
ggggctaattgtcatcaaccattttgctgtgagattctctccctcattaagctgacctgttct
gataccagcctcaatgaatttatgatcctcatcaccagtatcttcacctgctgctaccattt
gggtttgttctcctctcctacatacgaattgctatggctatcataaggattoctcactccag
ggcaggctcaaggcctttaccacatgtggctctcacctgaccgtggtgacaatcttctatggg
tcagccatctccatgtatatgaaaactcagtcocagtcctaccctgaccaggacaagtttatc
tcagtgttttatggagctttgacacccatgttgaaacccctgatatatagcctgagaaaaaaa
gatgttaaaccgggcaataaggaaagtattgttgaaaaggacatga
```

Figure 4B

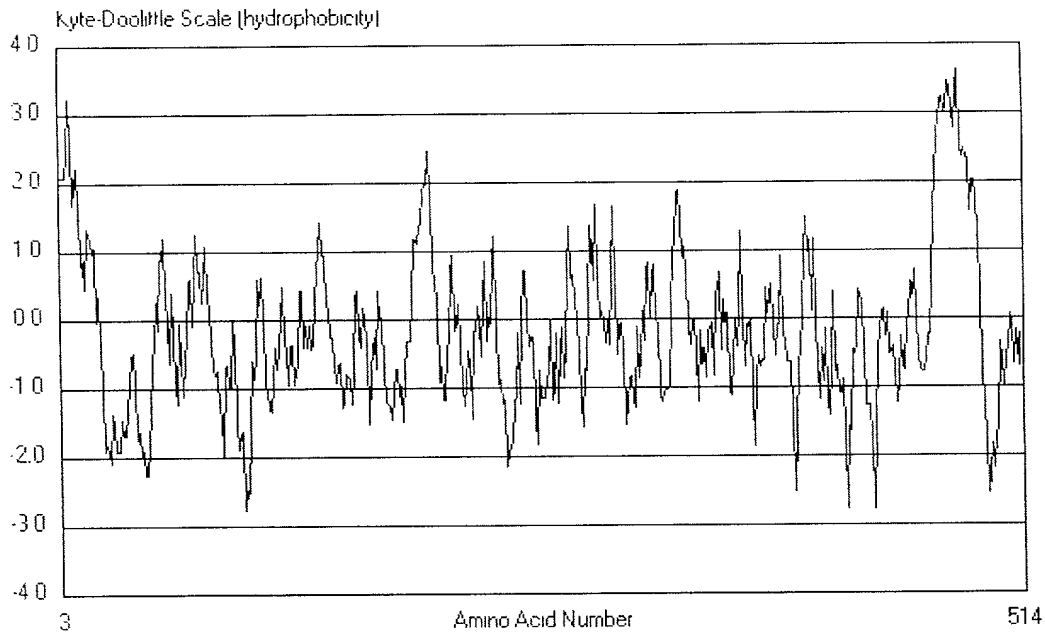


Figure 4D

```
>gi5791525_GS_nt10 HSJ154J13
MAMDNVTAVFQFLIGISNYPQWRDTFFTLVLIYYLSTLLGNGFMIFLIH
FDPNLHTPIYFFLSNLSFLDLCYGTASMPQALVHCFSTHPYLSYPRCLAQ
TSVSLALATAECLLLAAMAYDRVVAISNPLRYSVVMNGPVCVCLVATSWG
TSLVLTAMLILSLRLHFCGANVINHFACIILSLIKLTCSDTSLNEFMILI
TSIFTLLLPFGFVLLSYIRIAMAIIRIRSLQGRLKAFTTCGSHLTVVTIF
YGSAISMYMKTQSKSYPDQDKFISVFYGALTPMLNPLIYSLRKKDVKRAI
RKVMLKRT*
```

Figure 4C

Category: GPCR-novel

ID: gi6454063_GS_nt8

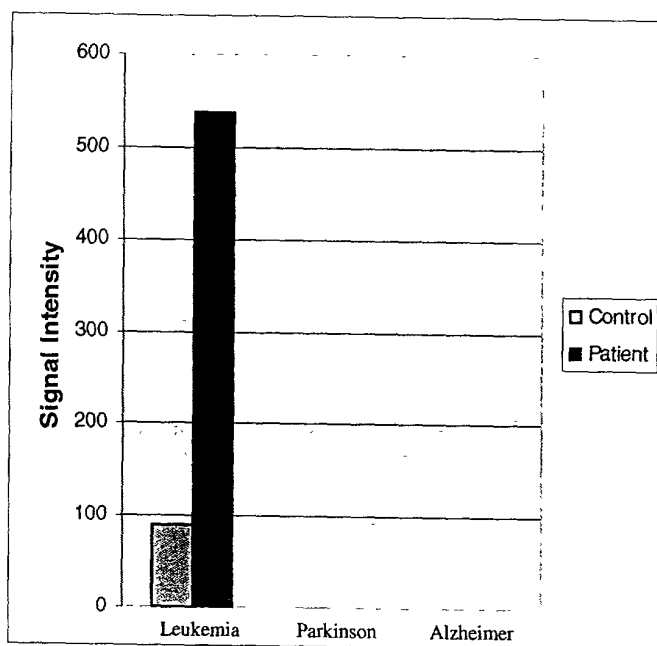


Figure 5A

Sequence:

```
>gi6454063_GS_nt8      AC010930
atgtcagcctccaatatcaccttaacacatccaactgccttcttgttggtggggattccaggcct
ggaacacctgcacatctggatctccatccctttctgcttagcatatacactggccctgcttgaa
actgcactctccttctcatcatccaggctgatgcagccctccatgaacccatgtacctcttctg
gcatgttgagcagccatcgacctggctccttctcctcagcactgccccaaatgcttgccatatt
ctgggtcagggatcgggagataaacttcttctgctgtctggccagatgttcttcttctcactcct
tctccatcatggagtcagcagtgctgctggccatggcctttgaccgctatgtggctatctgcaag
ccactgcactacaccaaggtcctgactgggtccctcatcaccaagattggcatggctgctgtggc
ccgggctgtgacactaatgactccactcccttctcctgctgagatgttccactactgccgaggcc
cagtgatcgctcactgctactgtgaacacatggctgtggtgaggctggcgtgtggggacactagc
ttcaacaatatctatggcatcgctgtggccatgtttattgtggtgttggacctgctccttggtat
cctgtcttatactcttcttctcaggcagttctactgcttgccctctcaggaggcccgctacaagg
catttgggacatgtgtctcctcatataggtgccatcttagccttctacacaactgtggctcatctct
tcagtcacgcacgtgtgtagcccgccatgctgccctcatgtccacatcctccttgccaatttcta
tctgctcttccaccatgggtcaatcccataatctatgggtgtcaagaccaagcaaatccgtgaga
gcactctgggagatttccaagaaaggatatgtag
```

Figure 5B

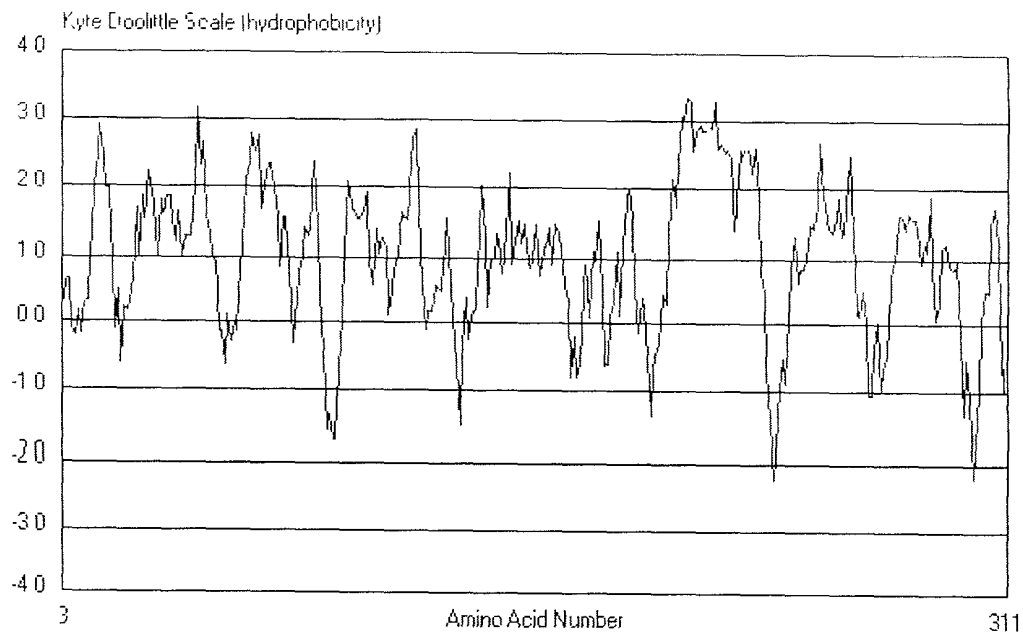


Figure 5D

```
>gi6454063_GS_nt8    AC010930
MSASNITLTHPTAFLLVGIPGLEHLHIWISIPFCLAYTLALLGNCTLLLI
IQADAALHEPMYLFLAMLAAIDLVLSSSALPKMLAIFWFRDREINFFACL
AQMFFLHSFSIMESAVLLAMAFDRYVAICKPLHYTKVLTGSLITKIGMAA
VARAVTLMTPLPFLLRFCFHYCRGPVIAHCYCEHMAVVRLACGDTSFNNIY
GIAVAMFIVVLDLLLVLISYIFILQAVLLLASQEARYKAFGTCVSHIGAI
LAFYTTVVISSVMHRVARHAAPHVHILLANFYLLFPPMVNPIIYGVKTKQ
IRESILGVFPRKDM*
```

Figure 5C